

FIG. 1

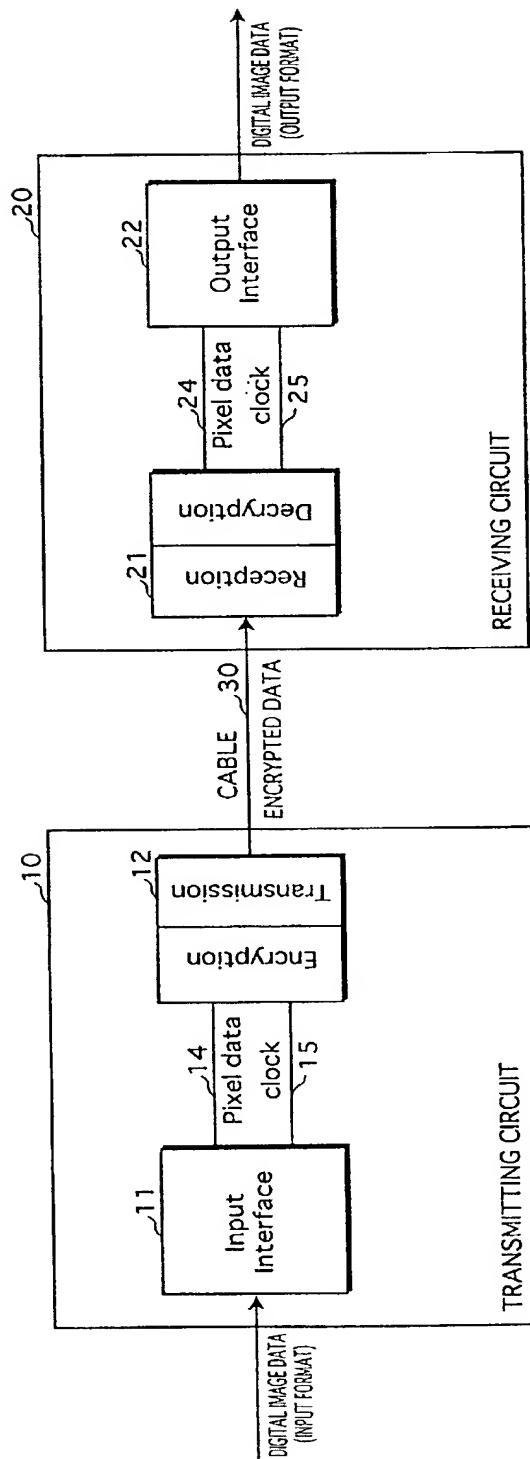


FIG.2

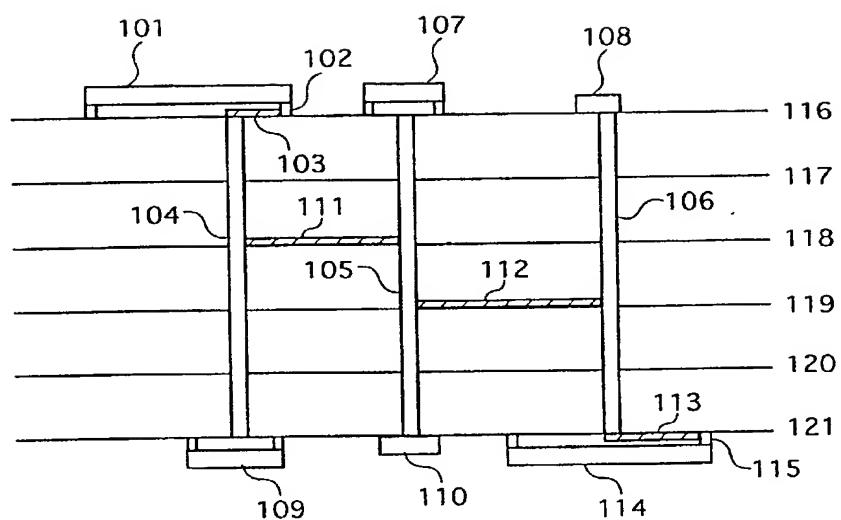


FIG.3

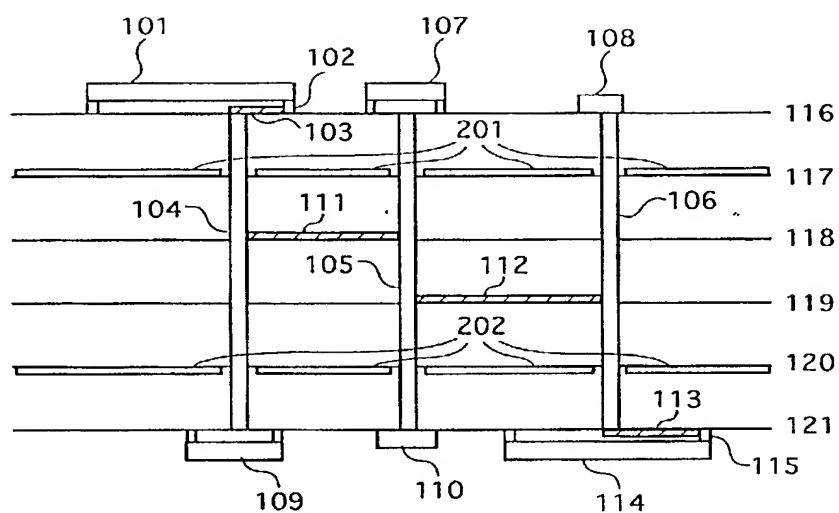


FIG.4

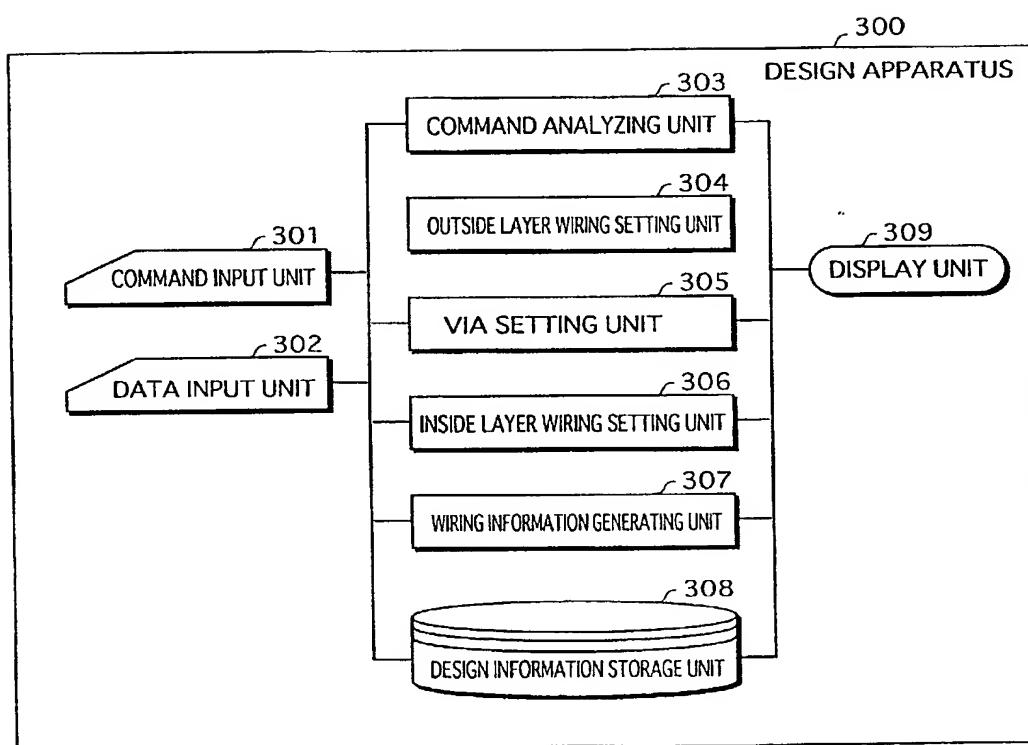


FIG.5A

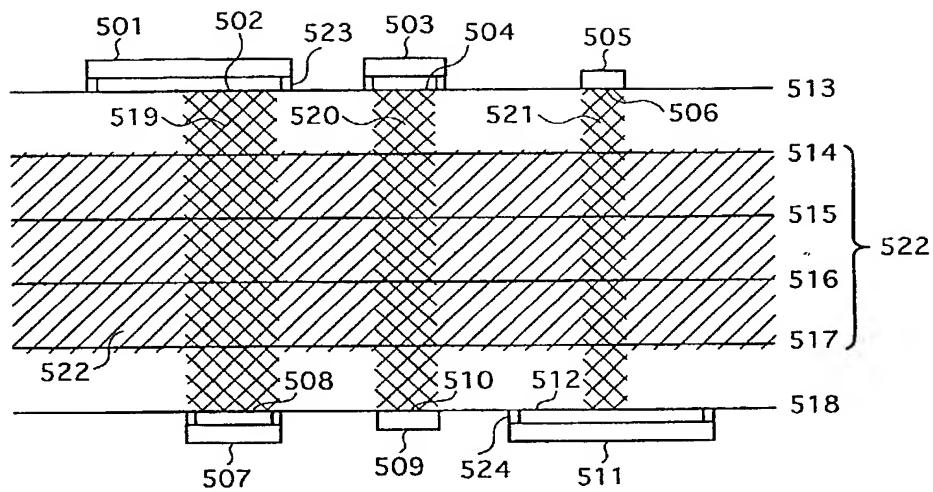


FIG.5B

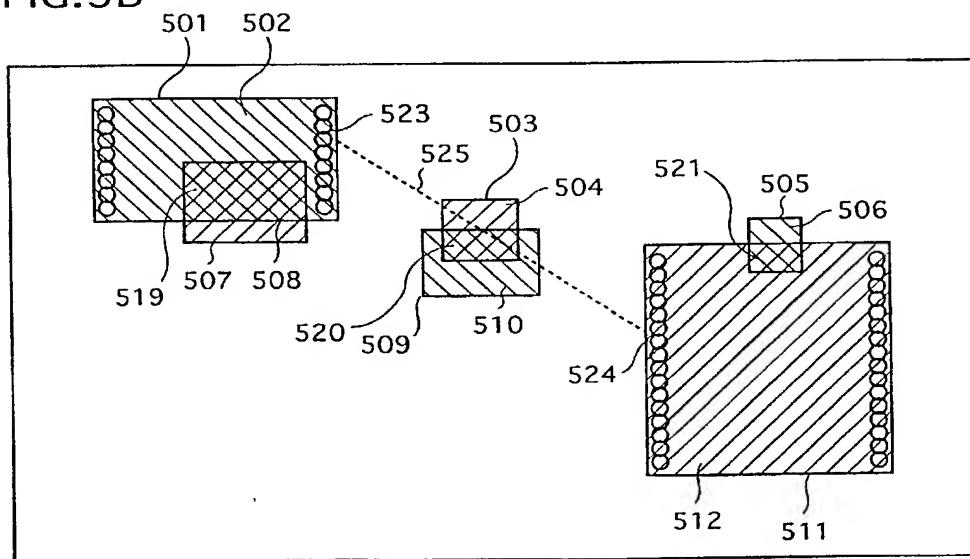


FIG.6A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 500	110mmX60mm	COMPONENT 501 COMPONENT 503 COMPONENT 505 COMPONENT 507 COMPONENT 509 COMPONENT 511 ⋮	6

FIG.6B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 501	FIRST LAYER	(10,5)-(41,23)	TERMINAL 523,...
COMPONENT 503	FIRST LAYER	(53,18)-(61,26)	⋮
COMPONENT 505	FIRST LAYER	(84,20)-(90,26)	⋮
COMPONENT 507	SIXTH LAYER	(24,15)-(38,24)	⋮
COMPONENT 509	SIXTH LAYER	(51,23)-(63,31)	⋮
COMPONENT 511	SIXTH LAYER	(71,24)-(101,48)	TERMINAL 524,...
⋮	⋮	⋮	⋮

FIG.6C

TERMINAL NO.	LAYER	POSITION
TERMINAL 523	FIRST LAYER	(39,11)
TERMINAL 524	SIXTH LAYER	(73,33)
⋮	⋮	⋮

FIG.6D

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 555	TERMINAL 523, TERMINAL 524
⋮	⋮

FIG. 7A

OUTSIDE LAYER WIRING POSSIBLE AREA	POSITION
AREA 502	(10,5)-(41,23)
AREA 504	(53,18)-(61,26)
AREA 506	(84,20)-(90,26)
AREA 508	(24,15)-(38,24)
AREA 510	(51,23)-(63,31)
AREA 512	(71,24)-(101,48)
⋮	⋮

FIG. 7B

VIA POSSIBLE AREA	POSITION
AREA 519	(24,15)-(38,23)
AREA 520	(53,23)-(61,26)
AREA 521	(84,24)-(90,26)
⋮	⋮

FIG. 7C

INSIDE LAYER WIRING POSSIBLE AREA
SECOND LAYER
THIRD LAYER
FOURTH LAYER
FIFTH LAYER

FIG.8

FOIL NO.	LAYER	POSITION
FOIL 551	FIRST LAYER	(39,11)-(31,11)-(31,19)
FOIL 552	THIRD LAYER	(31,19)-(87,19)-(87,25)
FOIL 553	SIXTH LAYER	(87,25)-(87,33)-(73,33)
⋮	⋮	⋮
VIA NO.	LAYER	POSITION
VIA 554	LAYERS 1-6	(31,19)
VIA 555	LAYERS 1-6	(87,25)
⋮	⋮	⋮

FIG.9

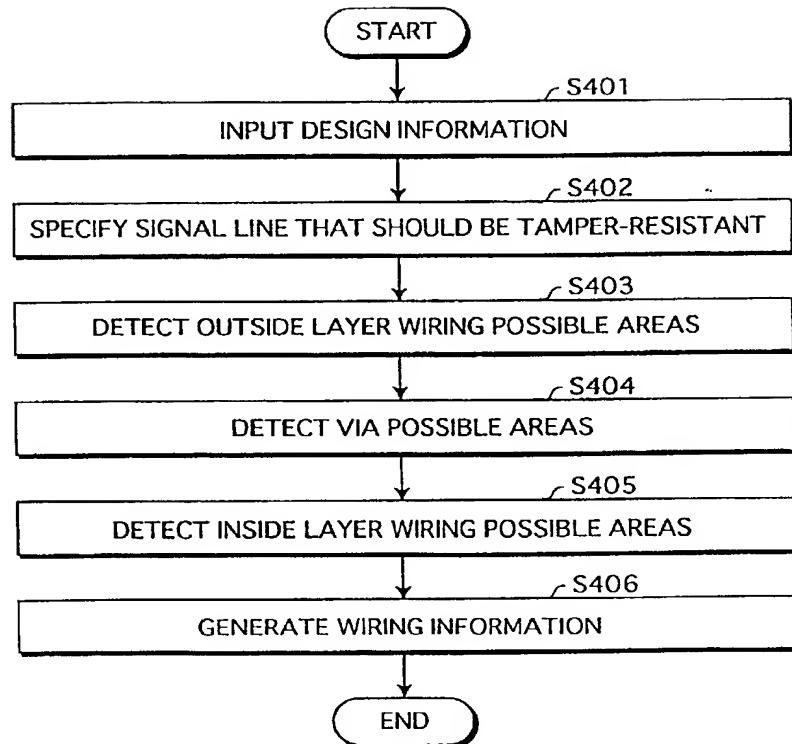


FIG.10

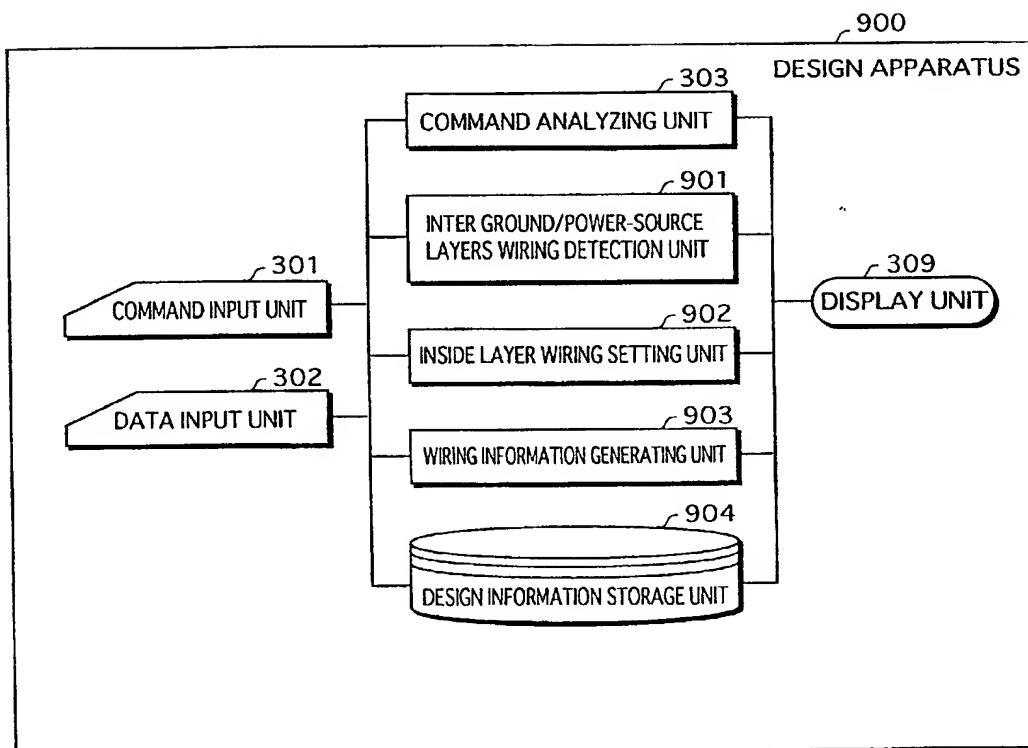


FIG.11

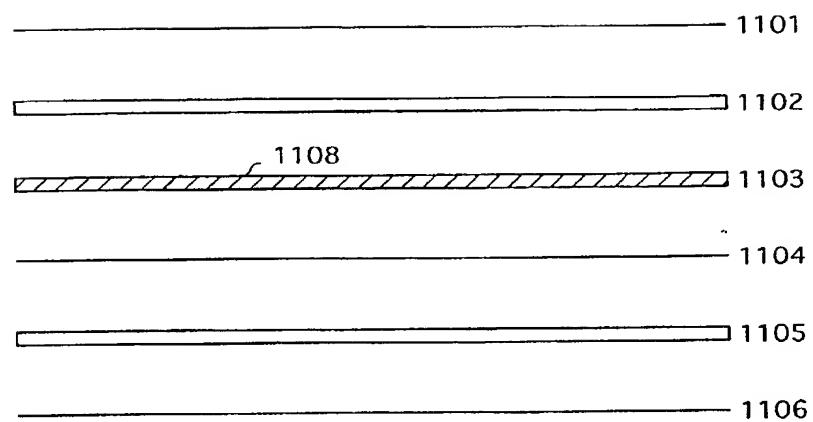


FIG. 12A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF GROUND/POWER-SOURCE LAYERS
BOARD 1100	110mm×60mm	COMPONENT 1151 COMPONENT 1152 ⋮	6 SECOND LAYER FIFTH LAYER

FIG. 12B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 1151	FIRST LAYER	(10,5)-(41,23)	TERMINAL 1153,...
COMPONENT 1152	SIXTH LAYER	(71,24)-(101,48)	TERMINAL 1154,...
⋮	⋮	⋮	⋮

FIG. 12C

TERMINAL NO.	LAYER	POSITION
TERMINAL 1153	FIRST LAYER	(39,11)
TERMINAL 1154	SIXTH LAYER	(73,33)

FIG. 12D

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 1155	TERMINAL 1153, TERMINAL 1154
⋮	⋮

FIG.13

INSIDE LAYER WIRING POSSIBLE AREA
THIRD LAYER FOURTH LAYER

FIG.14

FOIL NO.	LAYER	POSITION
FOIL 1160	FIRST LAYER	...
FOIL 1108	THIRD LAYER	...
FOIL 1162	SIXTH LAYER	...
⋮	⋮	⋮
VIA NO.	LAYER	POSITION
VIA 1170	LAYERS 1-6	...
VIA 1171	LAYERS 1-6	...
⋮	⋮	⋮

FIG.15

40020571 322001

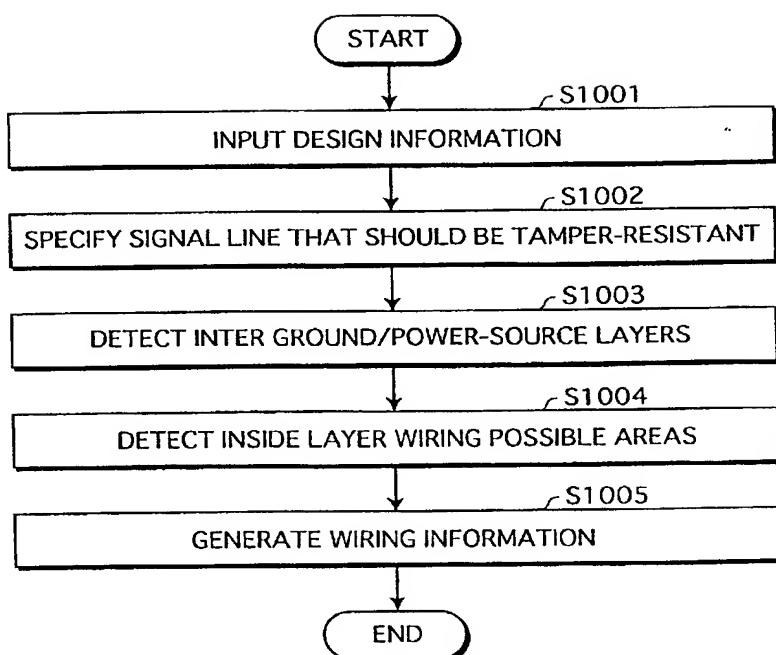


FIG.16

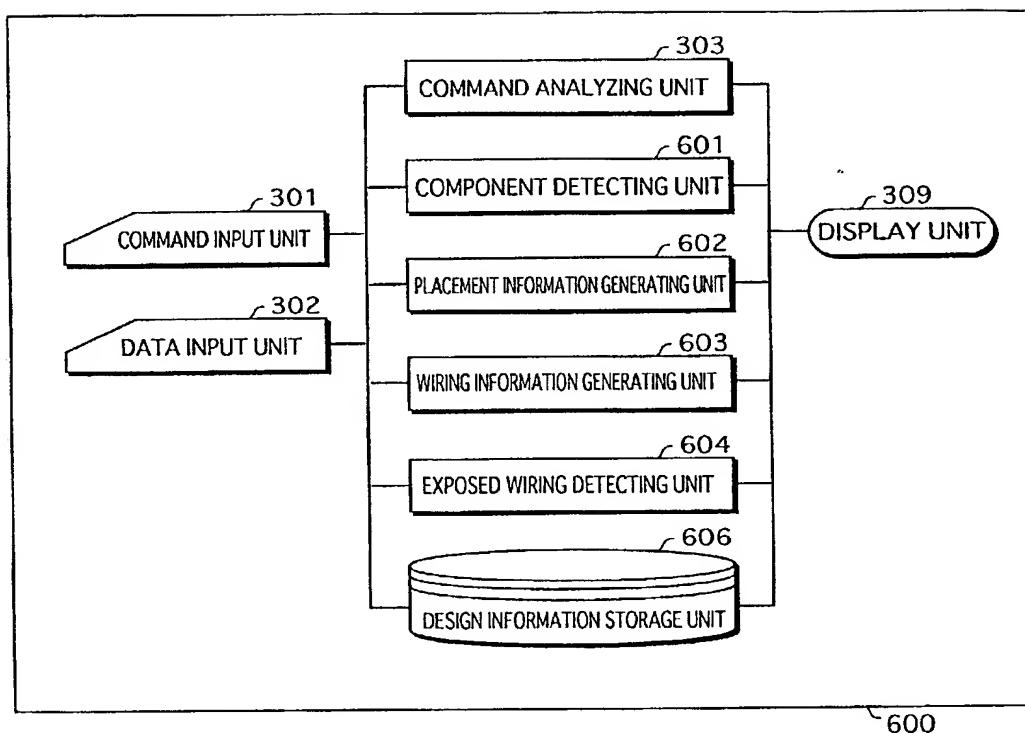


FIG.17A

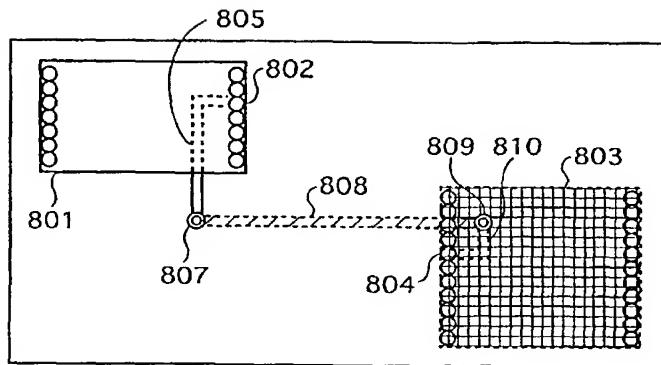


FIG.17B

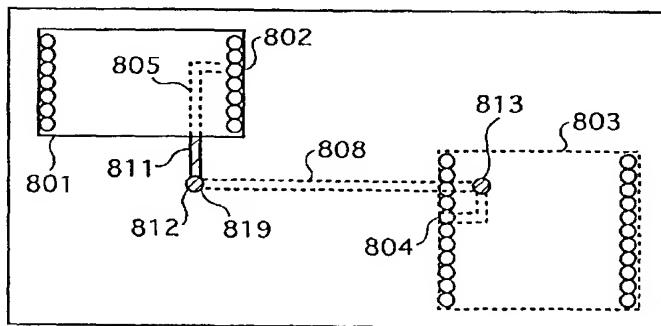


FIG.17C

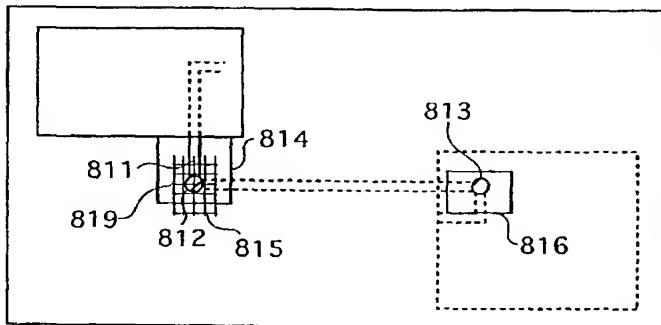


FIG. 18A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 800	100mm×50mm	COMPONENT 801 COMPONENT 803 COMPONENT 814 COMPONENT 815 COMPONENT 816 ⋮	4

FIG. 18B

COMPONENT NO.	SIZE	TERMINAL LIST
COMPONENT 801	(31,18)	TERMINAL 802,...
COMPONENT 803	(30,25)	TERMINAL 804,...
COMPONENT 814	(10,10)	⋮
COMPONENT 815	(5,10)	⋮
COMPONENT 816	(10,5)	⋮
⋮	⋮	⋮

FIG. 18C

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 888	TERMINAL 802, TERMINAL 804
⋮	⋮

FIG. 19A

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 801	FIRST LAYER	(5,3)-(36,21)	TERMINAL 802,...
COMPONENT 803	FOURTH LAYER	(65,23)-(95,48)	TERMINAL 804,...
TERMINAL NO.	POSITION		
TERMINAL 802	(34,9)		
TERMINAL 804	(63,32)		

FIG. 19B

FOIL NO.	LAYER	POSITION
FOIL 805	FIRST LAYER	(34,9)-(28,9)-(28,29)
FOIL 808	SECOND LAYER	(28,29)-(72,29)
FOIL 810	FOURTH LAYER	(72,29)-(72,32)-(63,32)
VIA NO.	LAYER	POSITION
VIA 807	LAYERS 1-4	(28,29)
VIA 809	LAYERS 1-4	(72,29)

FIG.20

TOP DRAWING OF LAYER 200

EXPOSED WIRING	LAYER	POSITION
FOIL 811	FIRST LAYER	(28,21)-(28,29)
VIA END 819	FIRST LAYER	(28,29)
VIA END 812	FOURTH LAYER	(28,29)
VIA END 813	FIRST LAYER	(72,29)

FIG.21

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 814	FIRST LAYER	(24,21)-(34,31)	...
COMPONENT 815	FOURTH LAYER	(27,23)-(32,33)	...
COMPONENT 816	FOURTH LAYER	(67,26)-(77,31)	...
TERMINAL NO.	POSITION		
...	
...	
...	

FIG.22

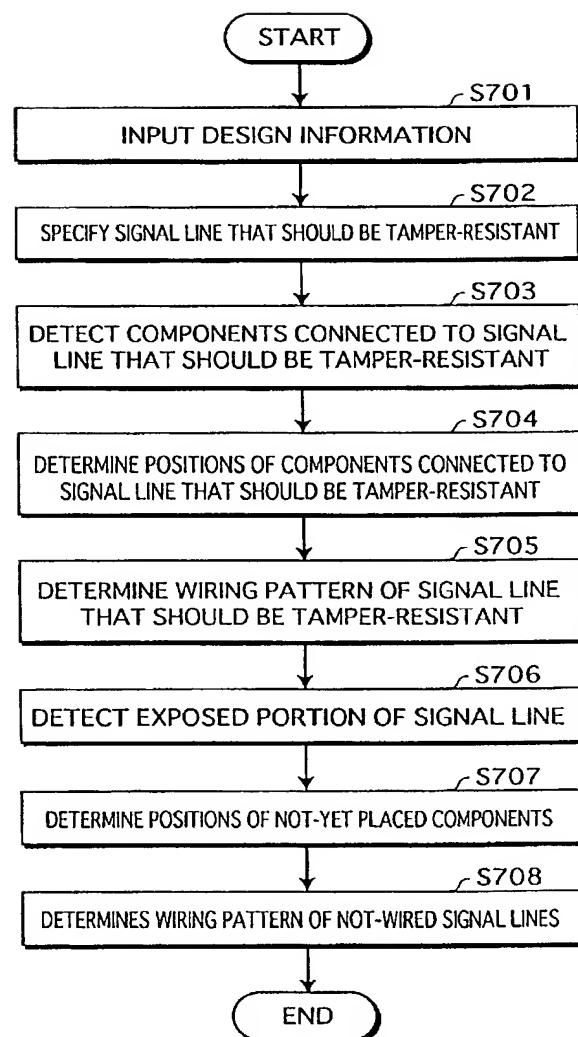


FIG.23

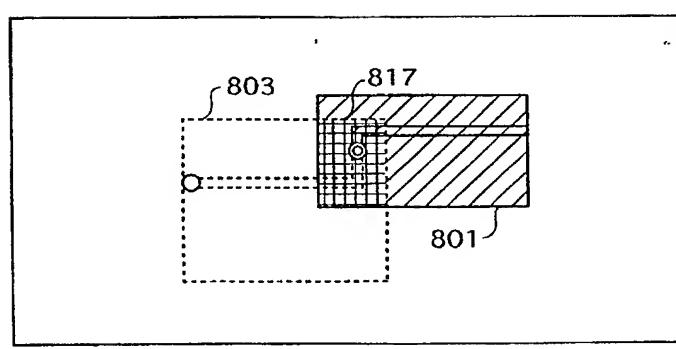


FIG.24

10029571 122004

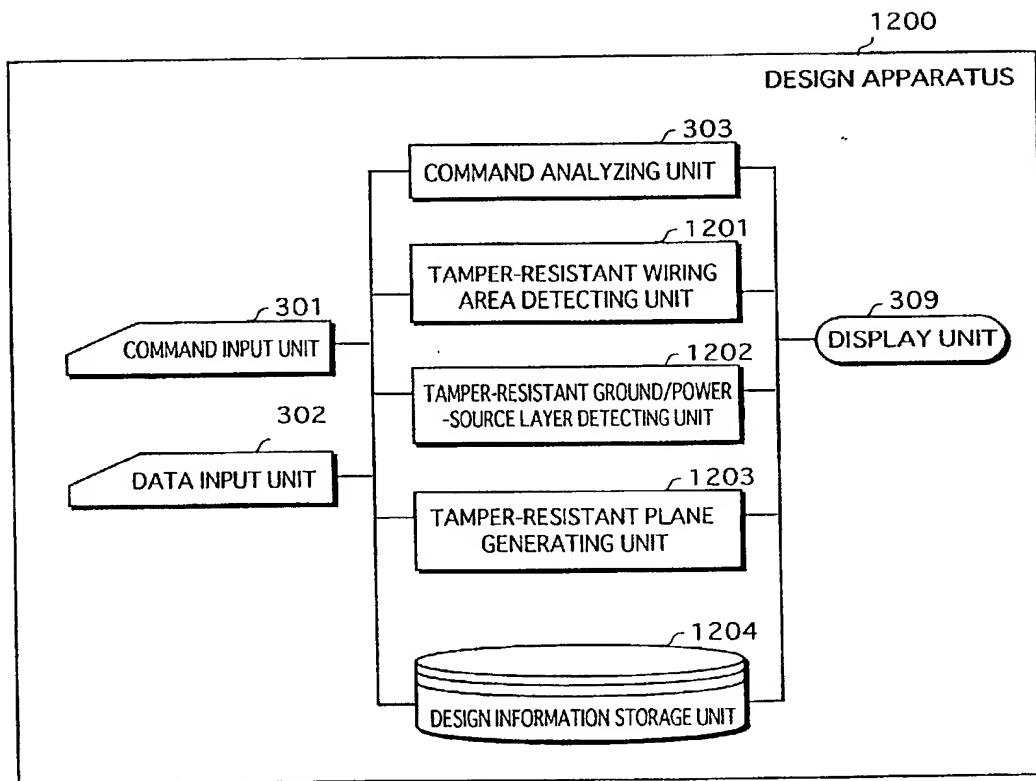


FIG.25

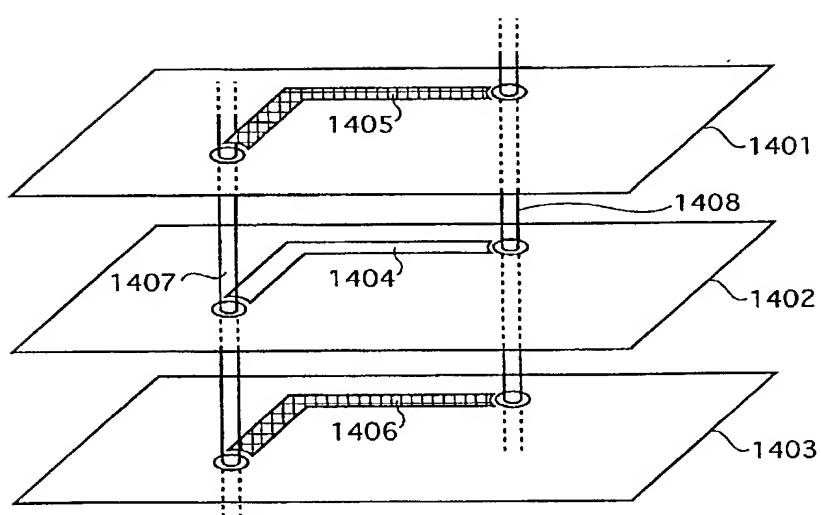


FIG.26A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 1400	110mmX60mm	COMPONENT 1410 COMPONENT 1411	6

FIG.26B

COMPONENT NO.	POSITION	POSITION	POSITION
TERMINAL 1412	...		
TERMINAL 1413	...		

FIG.26C

COMPONENT NO.	POSITION	POSITION	POSITION
TERMINAL 1412	...		
TERMINAL 1413	...		

FIG.26E

FOIL NO.	LAYER	POSITION
FOIL 1404	THIRD LAYER	(20,50)-(20,10)-(60,10)

FIG.26D

SIGNAL LINE NO.	TERMINAL PAIR
SIGNAL LINE 1455	TERMINAL 1412, TERMINAL 1413
	...
	...
	...
	...

VIA NO.	LAYER	POSITION
VIA 1407	LAYERS 1-6	
VIA 1408	LAYERS 1-6	
	...	
	...	
	...	

FIG.27A

FOIL NO.	LAYER	POSITION
FOIL 1404	THIRD LAYER	(20,50)-(20,10)-(60,10)

FIG.27B

GROUND/POWER SOURCE LAYER
SECOND LAYER FOURTH LAYER

FIG.28

FOIL NO.	LAYER	POSITION	CONNECTION TO GROUND
FOIL 1404	THIRD LAYER	(20,50)-(20,10)-(60,10)	—
FOIL 1405	SECOND LAYER	(20,50)-(20,10)-(60,10)	CONNECTED TO GROUND
FOIL 1406	FOURTH LAYER	(20,50)-(20,10)-(60,10)	CONNECTED TO GROUND
...

FIG.29

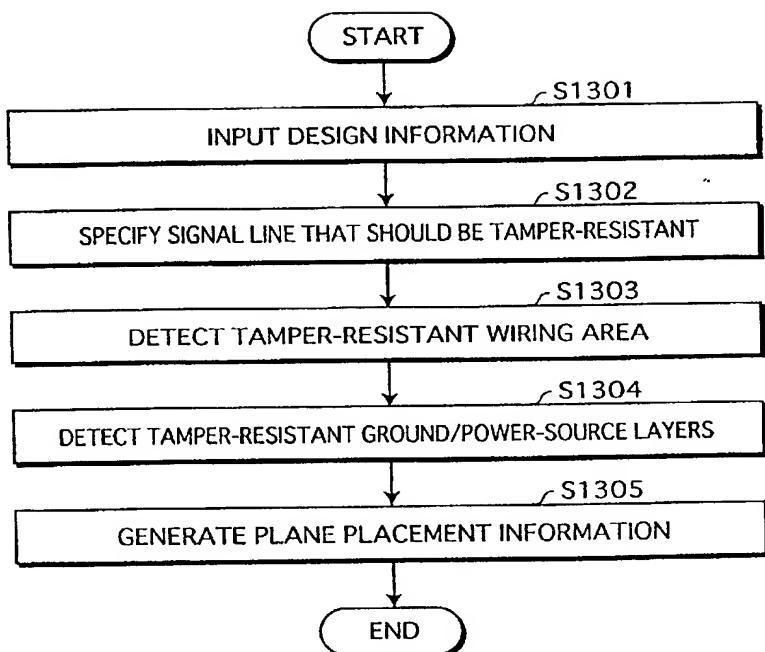


FIG.30

1500 1501 1502 1503 301 302 303 309

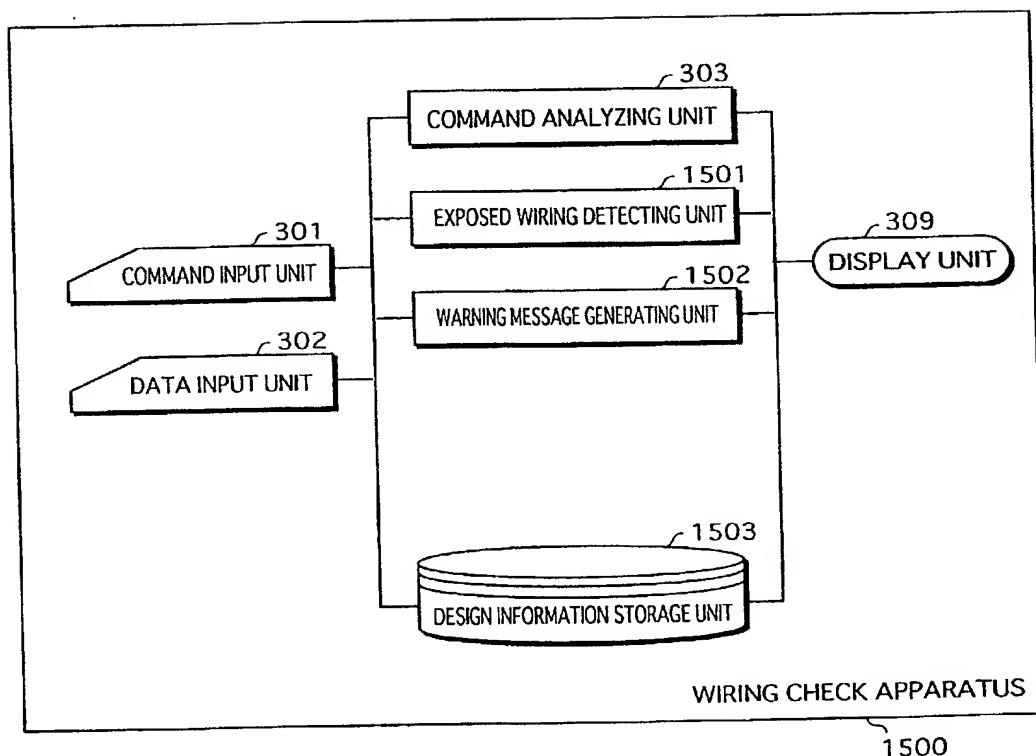


FIG.31

FIG.31A

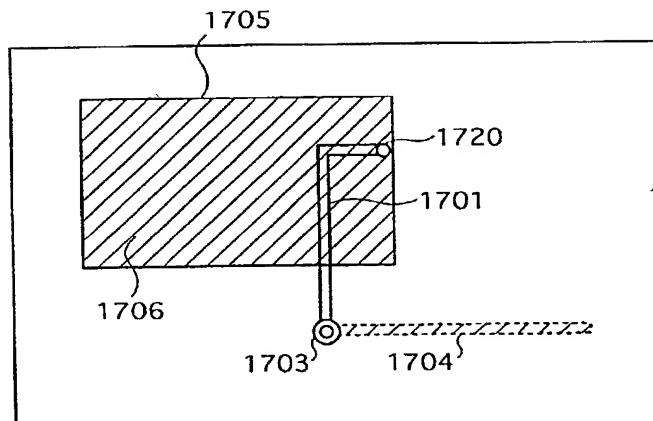


FIG.31B

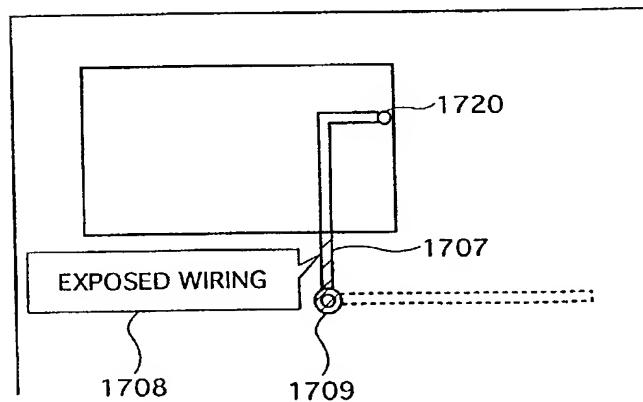


FIG. 32A

BOARD NO.	SIZE	COMPONENT LIST	NO. OF LAYERS
BOARD 1400	100mmX100mm	COMPONENT 1705 COMPONENT 1715 ⋮	6

FIG. 32B

COMPONENT NO.	LAYER	POSITION	TERMINAL LIST
COMPONENT 1705	FIRST LAYER	(10,8)-(55,35)	TERMINAL 1720,...
COMPONENT 1715	SIXTH LAYER	⋮	TERMINAL 1721,...
⋮	⋮	⋮	⋮

FIG. 32C

TERMINAL NO.	LAYER	POSITION	POSITION
TERMINAL 1720	FIRST LAYER	(53,15)	...
TERMINAL 1721	SIXTH LAYER	⋮	⋮
⋮	⋮	⋮	⋮

FIG. 32E

FOIL NO.	LAYER	POSITION
FOIL 1701	FIRST LAYER	(53,15)-(45,15)-(45,45)
FOIL 1704	THIRD LAYER	⋮

VIA NO.	LAYER	POSITION
VIA 1703	LAYERS 1-6	(45,45)

FIG. 32D

SIGNAL LINE NO.	TERMINAL PAIR	TAMPER-RESISTANCE
SIGNAL LINE 1755	TERMINAL 1720, TERMINAL 1721	TAMPER-RESISTANT
⋮	⋮	⋮

FIG.33

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EXPOSED WIRING	LAYER	POSITION
FOIL 1707	FIRST LAYER	(45,35)-(45,45)
VIA END 1706	FIRST LAYER	(45,45)
⋮	⋮	⋮

FIG.34

